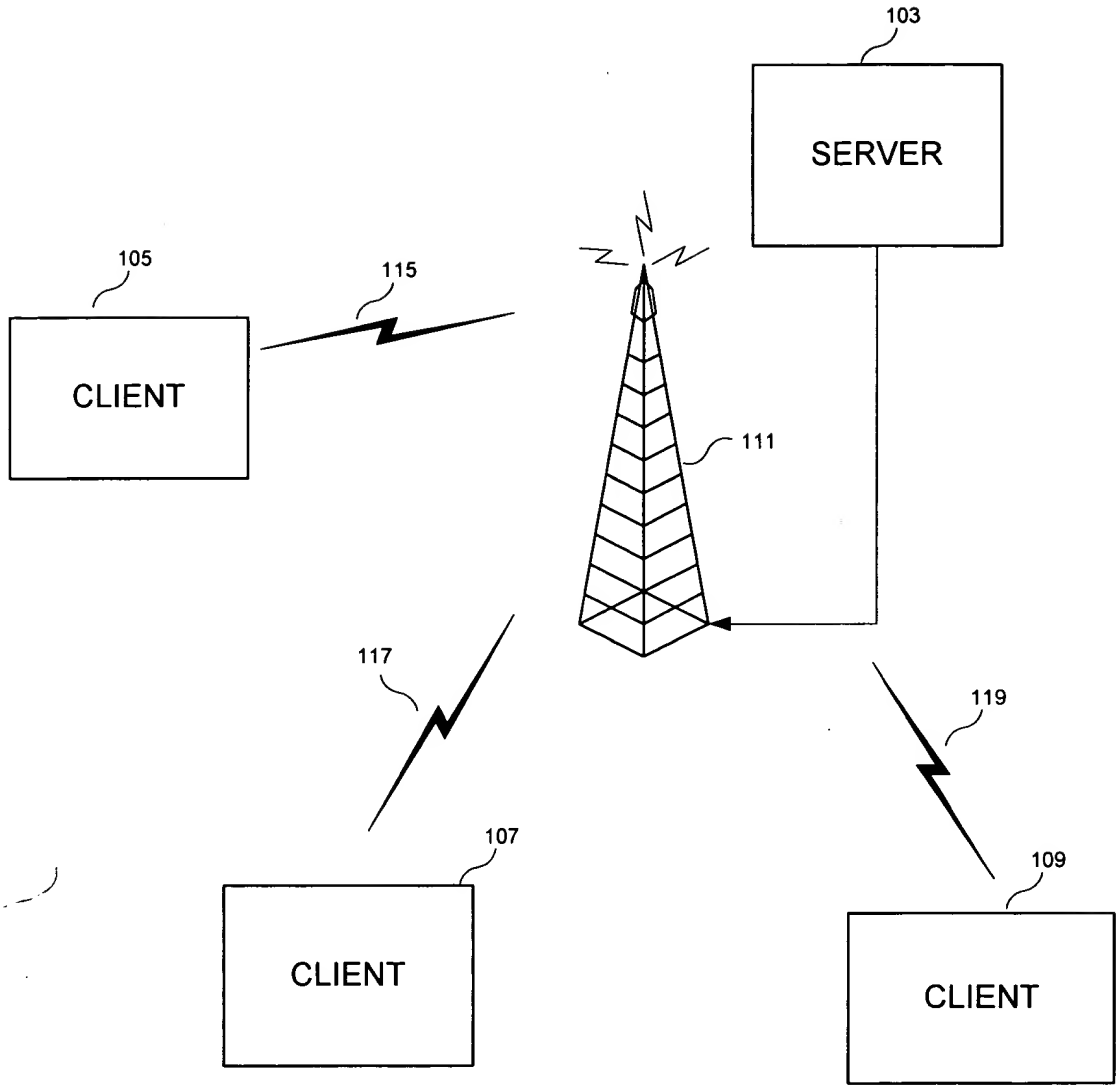

FIG. 1A

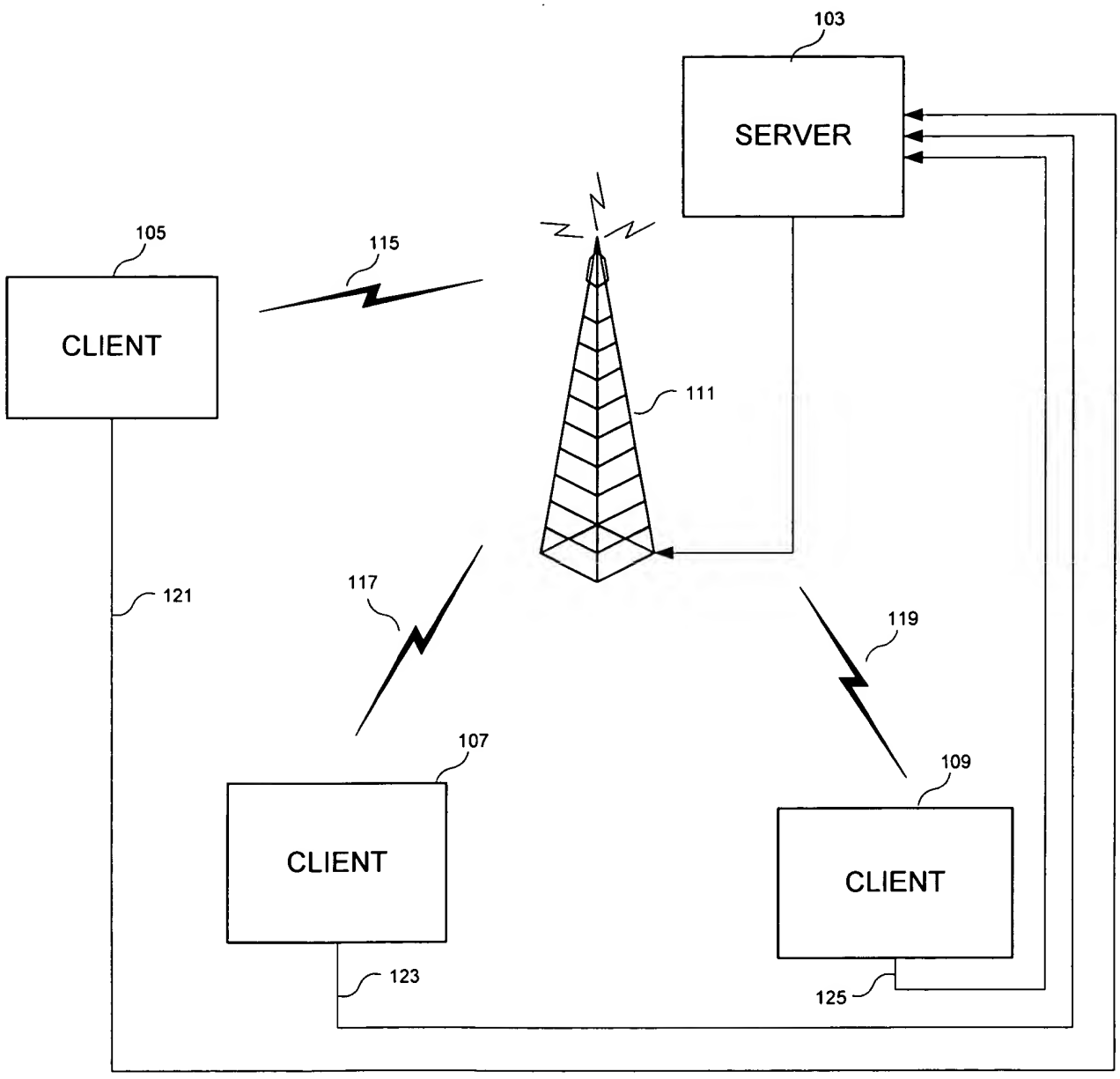
103
SERVER
105
CLIENT
115
111
121
117
119
107
CLIENT
109
CLIENT
123
125

FIG. 1B

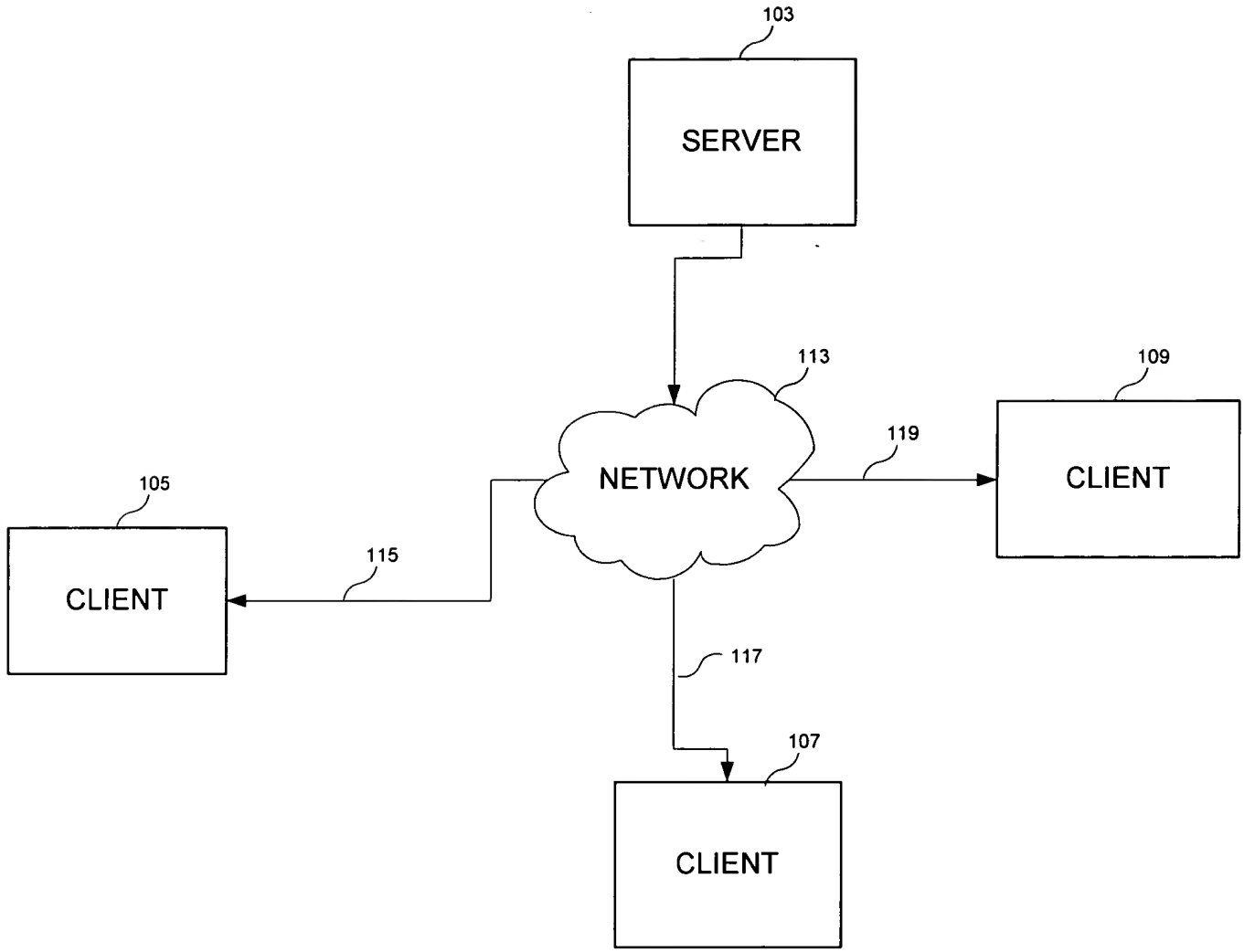
103
SERVER
113
109
NETWORK
119
CLIENT
105
CLIENT
115
117
107
CLIENT

FIG. 1C

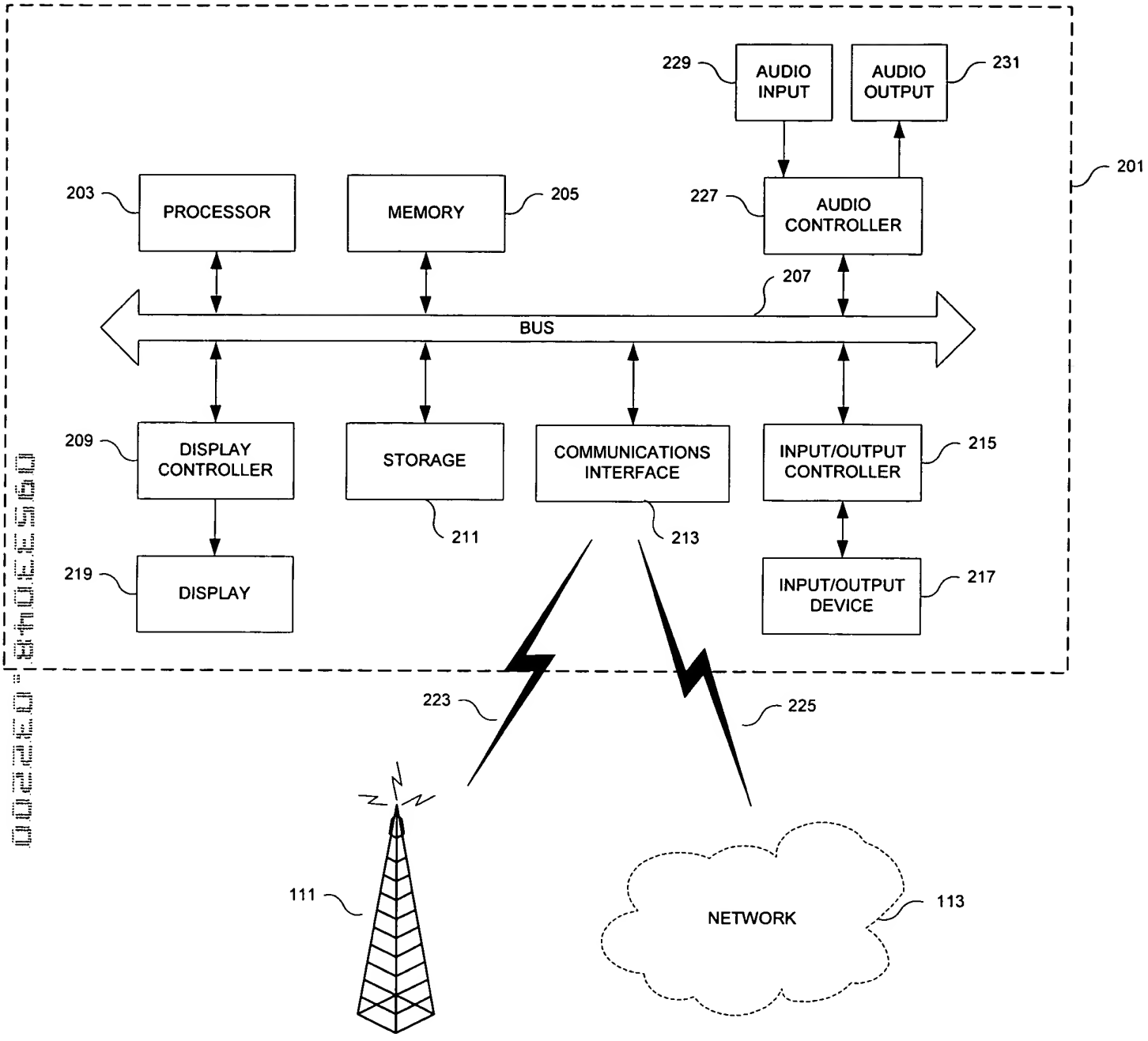
229
AUDIO INPUT
AUDIO OUTPUT
231
201
203
PROCESSOR
MEMORY
205
227
AUDIO CONTROLLER
207
BUS
209
DISPLAY CONTROLLER
STORAGE
COMMUNICATIONS INTERFACE
INPUT/OUTPUT CONTROLLER
215
211
213
219
DISPLAY
INPUT/OUTPUT DEVICE
217
223
225
111
NETWORK
113

FIG. 2

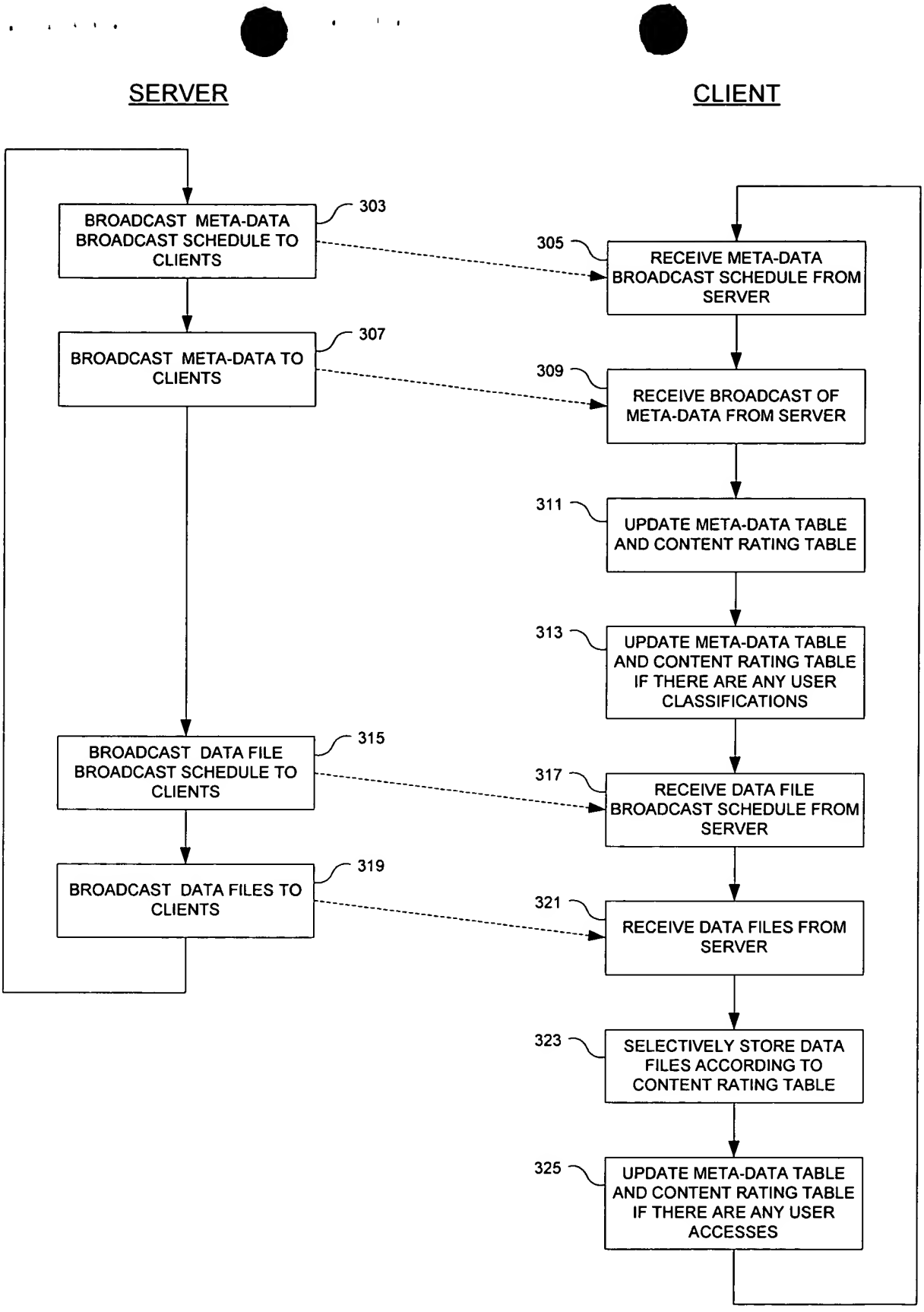
SERVER
CLIENT
BROADCAST META-DATA BROADCAST SCHEDULE TO CLIENTS
303
RECEIVE META-DATA BROADCAST SCHEDULE FROM SERVER
305
BROADCAST META-DATA TO CLIENTS
307
RECEIVE BROADCAST OF META-DATA FROM SERVER
309
UPDATE META-DATA TABLE AND CONTENT RATING TABLE
311
UPDATE META-DATA TABLE AND CONTENT RATING TABLE IF THERE ARE ANY USER CLASSIFICATIONS
313
BROADCAST DATA FILE BROADCAST SCHEDULE TO CLIENTS
315
RECEIVE DATA FILE BROADCAST SCHEDULE FROM SERVER
317
BROADCAST DATA FILES TO CLIENTS
319
RECEIVE DATA FILES FROM SERVER
321
SELECTIVELY STORE DATA FILES ACCORDING TO CONTENT RATING TABLE
323
UPDATE META-DATA TABLE AND CONTENT RATING TABLE IF THERE ARE ANY USER ACCESSES
325

FIG. 3

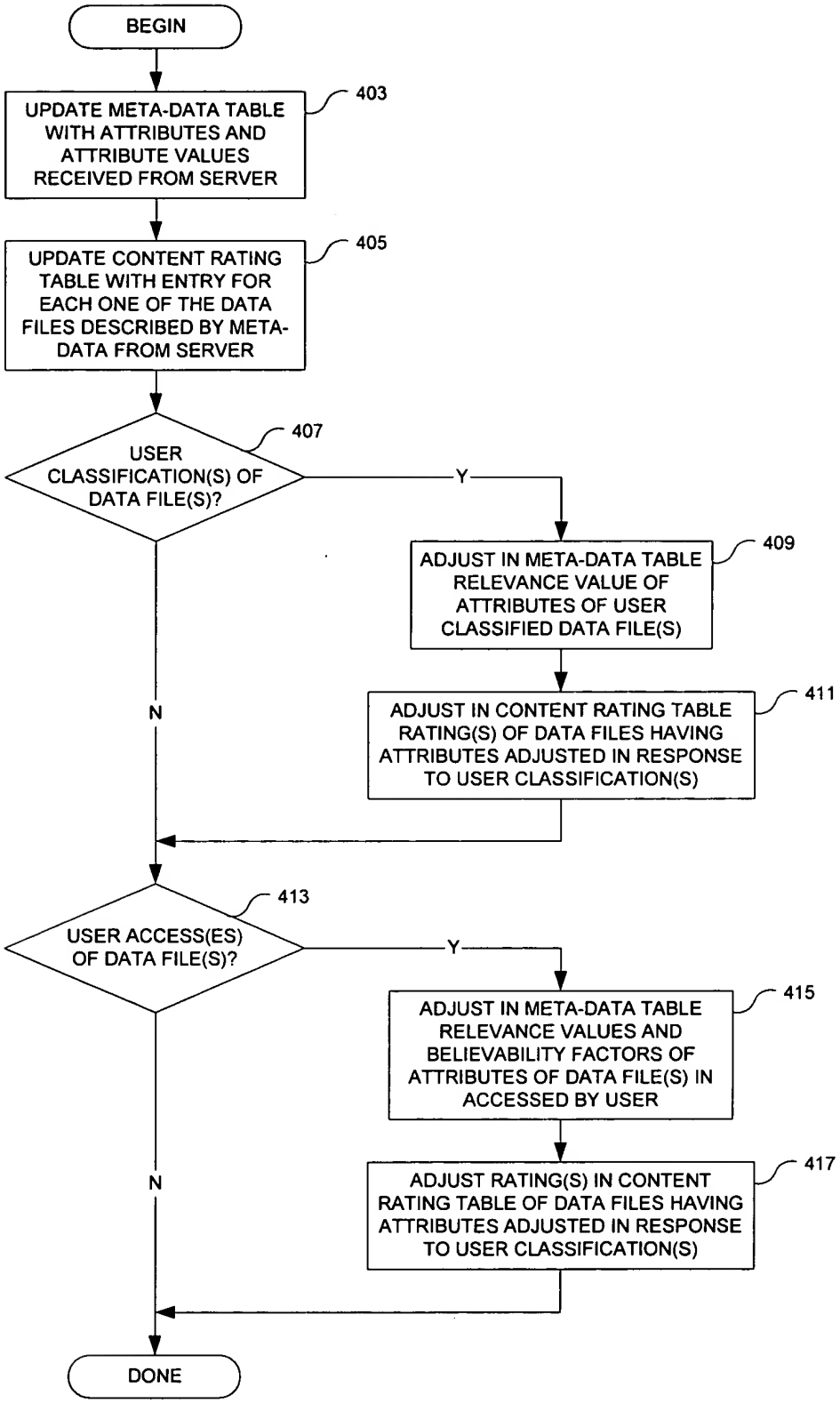
BEGIN
UPDATE META-DATA TABLE WITH ATTRIBUTES AND ATTRIBUTE VALUES RECEIVED FROM SERVER
403
UPDATE CONTENT RATING TABLE WITH ENTRY FOR EACH ONE OF THE DATA FILES DESCRIBED BY META-DATA FROM SERVER
405
USER CLASSIFICATION(S) OF DATA FILE(S)?
407
Y
N
ADJUST IN META-DATA TABLE RELEVANCE VALUE OF ATTRIBUTES OF USER CLASSIFIED DATA FILE(S)
409
ADJUST IN CONTENT RATING TABLE RATING(S) OF DATA FILES HAVING ATTRIBUTES ADJUSTED IN RESPONSE TO USER CLASSIFICATION(S)
411
USER ACCESS(ES) OF DATA FILE(S)?
413
Y
N
ADJUST IN META-DATA TABLE RELEVANCE VALUES AND BELIEVABILITY FACTORS OF ATTRIBUTES OF DATA FILE(S) IN ACCESSED BY USER
415
ADJUST RATING(S) IN CONTENT RATING TABLE OF DATA FILES HAVING ATTRIBUTES ADJUSTED IN RESPONSE TO USER CLASSIFICATION(S)
417
DONE

FIG. 4

501

NAME	ACTOR	GENRE
ACTION DUDE	JOE SMITH	ACTION
THE FUNNY SHOW	JANE DOE	COMEDY
BLAST 'EM	JANE DOE	ACTION
HARDY HAR HAR	JOE SMITH	COMEDY

FIG. 5

601

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	0	0
ACTOR	JANE DOE	0	0
GENRE	ACTION	0	0
GENRE	COMEDY	0	0

FIG. 6

701

NAME	RATING	RATING TYPE	IN CACHE	NEXT TREATMENT
ACTION DUDE	0	N/A	YES	N/A
THE FUNNY SHOW	0	N/A	YES	N/A
BLAST 'EM	0	N/A	YES	N/A
HARDY HAR HAR	0	N/A	NO	N/A

FIG. 7

NAME	CLASSIFICATION
ACTION DUDE	RECEIVE
THE FUNNY SHOW	REFUSE
BLAST 'EM	N/A
HARDY HAR HAR	N/A

FIG. 8

601

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	1	0
ACTOR	JANE DOE	-1	0
GENRE	ACTION	1	0
GENRE	COMEDY	-1	0

FIG. 9

601

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	1	1
ACTOR	JANE DOE	-1	0
GENRE	ACTION	1	1
GENRE	COMEDY	-1	0

FIG. 10

701

NAME	RATING	RATING TYPE	IN CACHE	NEXT TREATMENT
ACTION DUDE	1	EXPLICIT	YES	REPLACE
THE FUNNY SHOW	0	EXPLICIT	YES	REPLACE
BLAST 'EM	0.5	IMPLICIT	YES	KEEP
HARDY HAR HAR	0.5	IMPLICIT	NO	CAPTURE

FIG. 11

601

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	1	1
ACTOR	JANE DOE	-1	-1
GENRE	ACTION	2	2
GENRE	COMEDY	-1	0

FIG. 12

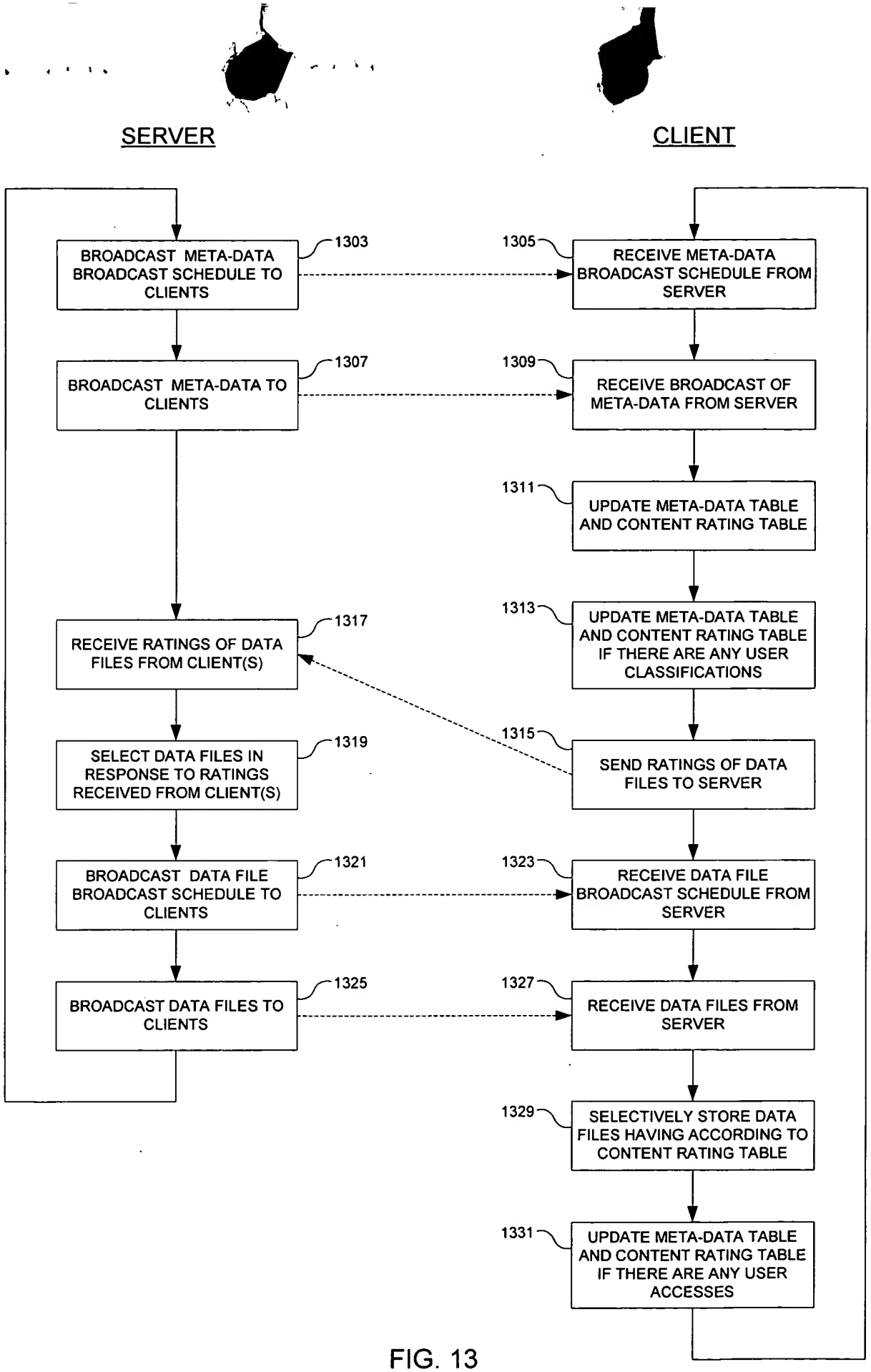
SERVER
CLIENT
BROADCAST META-DATA BROADCAST SCHEDULE TO CLIENTS
1303
RECEIVE META-DATA BROADCAST SCHEDULE FROM SERVER
1305
BROADCAST META-DATA TO CLIENTS
1307
RECEIVE BROADCAST OF META-DATA FROM SERVER
1309
UPDATE META-DATA TABLE AND CONTENT RATING TABLE
1311
RECEIVE RATINGS OF DATA FILES FROM CLIENT(S)
1317
UPDATE META-DATA TABLE AND CONTENT RATING TABLE IF THERE ARE ANY USER CLASSIFICATIONS
1313
SELECT DATA FILES IN RESPONSE TO RATINGS RECEIVED FROM CLIENT(S)
1319
SEND RATINGS OF DATA FILES TO SERVER
1315
BROADCAST DATA FILE BROADCAST SCHEDULE TO CLIENTS
1321
RECEIVE DATA FILE BROADCAST SCHEDULE FROM SERVER
1323
BROADCAST DATA FILES TO CLIENTS
1325
RECEIVE DATA FILES FROM SERVER
1327
SELECTIVELY STORE DATA FILES HAVING ACCORDING TO CONTENT RATING TABLE
1329
UPDATE META-DATA TABLE AND CONTENT RATING TABLE IF THERE ARE ANY USER ACCESSES
1331

FIG. 13